MILESTONES AND ACTIVITY LISTS

Date	11 November 2022
Team ID	PNT2022TMID28288
Project Name	Plasma donor application
Maximum Marks	8 Marks

PREREQUISITES:

- Python IDLE
- Flask
- IBM Cloud
- Docker

1.IDEATION PHASE

- Literature Survey
- Empathize
- Defining Problem Statement
- Ideation

2.PROJECT DESIGN PHASE 1

- Proposed Solution
- Problem Solution Fit
- Solution Architecture

3.PROJECT DESIGN PHASE 2

- Functional Requirement
- Customer Journey
- Data flow Diagram
- Technology Architecture

4.SETTING UP APPLICATION ENVIRONMENT

- Create Flask Project
- Create IBM Cloud Account
- Install IBm Cloud CLI
- Docker CLI installation
- Create an account in Sendgrid

5.IMPLEMENTING WEB APPLICATIONS

- Create UI to interact with application
- Registration page
- Login Page
- Stats page to display the count
- Request Page
- Create IBM DB2 and connect with Python
- IBM DB2 with Python

6.INTEGRATING SENDGRID SERVICE

- Sendgrid integration with Python code

7.DEPLOYMENT OF APP IN IBM CLOUD

- Containerize the app
- Docker image creation
- Creating docker image for flask app
- Upload image to IBM container registry
- Deploy in Kubernetes cluster

8.PROJECT PLANNING PHASE

- Prepare Milestone and Activity list
- Sprint Delivery Plan

9.PROJECT DEVELOPMENT PHASE

- Project development-Delivery of sprint-1
- Project development-Delivery of sprint-2
- Project development-Delivery of sprint-3
- Project development-Delivery of sprint-4